SEQUENCE LISTING

Pepinsky, et al.

<120> HYDROPHOBICALLY-MODIFIED PROTEIN COMPOSITIONS AND METHODS

<130> BIIJ-P02-067

<140> 09/579,680
<141> 2000-05-26

<150> PCT/US98/25676
<151> 1998-12-13

<160> 4

<170> PatentIn Ver. 2.1

<210> 1
<211> 175
<212> PRT
<213> human

<400> 1

```
Cys Gly Pro Gly Arg Val Val Gly Ser Arg Arg Arg Pro Pro Arg Lys
 1               5                  10                  15

Leu Val Pro Leu Ala Tyr Lys Gln Phe Ser Pro Asn Val Pro Glu Lys
            20                  25                  30

Thr Leu Gly Ala Ser Gly Arg Tyr Glu Gly Lys Ile Ala Arg Ser Ser
            35                  40                  45

Glu Arg Phe Lys Glu Leu Thr Pro Asn Tyr Asn Pro Asp Ile Ile Phe
        50                  55                  60

Lys Asp Glu Glu Asn Thr Gly Ala Asp Arg Leu Met Thr Gln Arg Cys
 65                  70                  75                  80

Lys Asp Arg Leu Asn Ser Leu Ala Ile Ser Val Met Asn Gln Trp Pro
                85                  90                  95

Gly Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His His
            100                 105                 110

Ser Glu Glu Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr Thr
            115                 120                 125

Ser Asp Arg Asp Arg Asn Lys Tyr Gly Leu Leu Ala Arg Leu Ala Val
        130                 135                 140

Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Lys Ala His Val His
145                 150                 155                 160

Cys Ser Val Lys Ser Glu His Ser Ala Ala Ala Lys Thr Gly Gly
                165                 170                 175
```

<210> 2
<211> 174
<212> PRT
<213> human

<400> 2

```
Cys Gly Pro Gly Arg Gly Phe Gly Lys Arg Arg His Pro Lys Lys Leu
 1               5                   10                  15

Thr Pro Leu Ala Tyr Lys Gln Phe Ile Pro Asn Val Ala Glu Lys Thr
            20                  25                  30

Leu Gly Ala Ser Gly Arg Tyr Glu Gly Lys Ile Ser Arg Asn Ser Glu
        35                  40                  45

Arg Phe Lys Glu Leu Thr Pro Asn Tyr Asn Pro Asp Ile Ile Phe Lys
    50                  55                  60

Asp Glu Glu Asn Thr Gly Ala Asp Arg Leu Met Thr Gln Arg Cys Lys
65                  70                  75                  80

Asp Lys Leu Asn Ala Leu Ala Ile Ser Val Met Asn Gln Trp Pro Gly
                85                  90                  95

Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His His Ser
            100                 105                 110

Glu Glu Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr Thr Ser
        115                 120                 125

Asp Arg Asp Arg Ser Lys Tyr Gly Met Leu Ala Arg Leu Ala Val Glu
    130                 135                 140

Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Lys Ala His Ile His Cys
145                 150                 155                 160

Ser Val Lys Ala Glu Asn Ser Val Ala Ala Lys Ser Gly Gly
                165                 170
```

<210> 3
<211> 176
<212> PRT
<213> human

<400> 3

```
Cys Gly Pro Gly Arg Gly Pro Val Gly Arg Arg Arg Tyr Ala Arg Lys
 1               5                   10                  15

Gln Leu Val Pro Leu Leu Tyr Lys Gln Phe Val Pro Gly Val Pro Glu
            20                  25                  30

Arg Thr Leu Gly Ala Ser Gly Pro Ala Glu Gly Arg Val Ala Arg Gly
        35                  40                  45
```

```
Ser Glu Arg Phe Arg Asp Leu Val Pro Asn Tyr Asn Pro Asp Ile Ile
    50                  55              60

Phe Lys Asp Glu Glu Asn Ser Gly Ala Asp Arg Leu Met Thr Glu Arg
 65                  70              75                      80

Cys Lys Glu Arg Val Asn Ala Leu Ala Ile Ala Val Met Asn Met Trp
                85                  90                  95

Pro Gly Val Arg Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His
            100             105             110

His Ala Gln Asp Ser Leu His Tyr Glu Gly Arg Ala Leu Asp Ile Thr
        115             120             125

Thr Ser Asp Arg Asp Arg Asn Lys Tyr Gly Leu Leu Ala Arg Leu Ala
    130             135             140

Val Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Arg Asn His Val
145             150             155             160

His Val Ser Val Lys Ala Asp Asn Ser Leu Ala Val Arg Ala Gly Gly
            165             170             175
```

<210> 4
<211> 176
<212> PRT
<213> human

<220>
<221> SITE
<222> (6)
<223> Xaa= Val or Gly

<220>
<221> SITE
<222> (7)
<223> Xaa= Val, Phe, or Pro

<220>
<221> SITE
<222> (8)
<223> Xaa= Gly or Val

<220>
<221> SITE
<222> (9)
<223> Xaa= Ser or Gly

<220>
<221> SITE
<222> (10)
<223> Xaa= Arg or Lys

```
<220>
<221> SITE
<222> (13)
<223> Xaa= Pro, His, or Tyr

<220>
<221> SITE
<222> (14)
<223> Xaa= Pro or Ala

<220>
<221> SITE
<222> (15)
<223> Xaa= Arg or Lys

<220>
<221> SITE
<222> (17)
<223> Xaa= any amino acid

<220>
<221> SITE
<222> (19)
<223> Xaa= Val or Thr

<220>
<221> SITE
<222> (22)
<223> Xaa= Ala or Leu

<220>
<221> SITE
<222> (27)
<223> Xaa= Ser, Ile, or Val

<220>
<221> SITE
<222> (29)
<223> Xaa= Asn or Gly

<220>
<221> SITE
<222> (31)
<223> Xaa= Pro or Ala

<220>
<221> SITE
<222> (41)
<223> Xaa= Tyr or Ala

<220>
<221> SITE
<222> (45)
<223> Xaa= Ile or Val
```

```
<220>
<221> SITE
<222> (46)
<223> Xaa= Ala or Ser

<220>
<221> SITE
<222> (48)
<223> Xaa= Ser, Asn, or Gly

<220>
<221> SITE
<222> (54)
<223> Xaa= Glu or Asp

<220>
<221> SITE
<222> (56)
<223> Xaa= Thr or Val

<220>
<221> SITE
<222> (71)
<223> Xaa= Thr or Ser

<220>
<221> SITE
<222> (79)
<223> Xaa= Gln or Glu

<220>
<221> SITE
<222> (83)
<223> Xaa= Asp or Glu

<220>
<221> SITE
<222> (84)
<223> Xaa= Arg or Lys

<220>
<221> SITE
<222> (85)
<223> Xaa= Leu or Val

<220>
<221> SITE
<222> (91)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (95)
<223> Xaa= Gln or Met
```

```
<220>
<221> SITE
<222> (114)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (115)
<223> Xaa= Glu or Gln

<220>
<221> SITE
<222> (116)
<223> Xaa= Glu or Asp

<220>
<221> SITE
<222> (135)
<223> Xaa= Asn or Ser

<220>
<221> SITE
<222> (139)
<223> Xaa= Leu or Met

<220>
<221> SITE
<222> (157)
<223> Xaa= Lys or Arg

<220>
<221> SITE
<222> (158)
<223> Xaa= Ala or Asn

<220>
<221> SITE
<222> (160)
<223> Xaa= Val or Ile

<220>
<221> SITE
<222> (162)
<223> Xaa= Cys or Val

<220>
<221> SITE
<222> (166)
<223> Xaa= Ser or Ala

<220>
<221> SITE
<222> (167)
<223> Xaa= Glu or Asp
```

```
<220>
<221> SITE
<222> (168)
<223> Xaa=His or Asn

<220>
<221> SITE
<222> (170)
<223> Xaa= Ala, Val, or Lys

<220>
<221> SITE
<222> (173)
<223> Xaa= Lys or Arg

<220>
<221> SITE
<222> (174)
<223> Xaa= Thr, Ser or Ala

<400> 4
Cys Gly Pro Gly Arg Xaa Xaa Xaa Xaa Xaa Arg Arg Xaa Xaa Xaa Lys
 1               5                  10                  15

Xaa Leu Xaa Pro Leu Xaa Tyr Lys Gln Phe Xaa Pro Xaa Val Xaa Glu
            20                  25                  30

Lys Thr Leu Gly Ala Ser Gly Arg Xaa Glu Gly Lys Xaa Xaa Arg Xaa
            35                  40                  45

Ser Glu Arg Phe Lys Xaa Leu Xaa Pro Asn Tyr Asn Pro Asp Ile Ile
    50                  55                  60

Phe Lys Asp Glu Glu Asn Xaa Gly Ala Asp Arg Leu Met Thr Xaa Arg
    65                  70                  75                  80

Cys Lys Xaa Xaa Xaa Asn Ser Leu Ala Ile Xaa Val Met Asn Xaa Trp
            85                  90                  95

Pro Gly Val Lys Leu Arg Val Thr Glu Gly Trp Asp Glu Asp Gly His
            100                 105                 110

His Xaa Xaa Xaa Ser Leu His Tyr Glu Gly Arg Ala Val Asp Ile Thr
        115                 120                 125

Thr Ser Asp Arg Asp Arg Xaa Lys Tyr Gly Xaa Leu Ala Arg Leu Ala
        130                 135                 140

Val Glu Ala Gly Phe Asp Trp Val Tyr Tyr Glu Ser Xaa Xaa His Xaa
145                 150                 155                 160

His Xaa Ser Val Lys Xaa Xaa Xaa Ser Xaa Ala Ala Xaa Xaa Gly Gly
                165                 170                 175
```